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	Application No.	Applicant(s)
	10/820,320	WU ET AL.
Notice of Allowability	Examiner	Art Unit
	Thinh T. Nguyen	2818
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject	application. If not included on will be mailed in due course. THIS
1. \square This communication is responsive to $-6/13/2005$		
2. ☑ The allowed claim(s) is/are <u>13-24</u> .		
3.	e been received. e been received in Application No. cuments have been received in thi of this communication to file a repl dENT of this application. iitted. Note the attached EXAMINE es reason(s) why the oath or decla st be submitted. son's Patent Drawing Review (PTO) s Amendment / Comment or in the .84(c)) should be written on the draw he header according to 37 CFR 1.12 sit of BIOLOGICAL MATERIAL	Is national stage application from the six national stage application from the six national stage application from the six national stage application from the requirements ER'S AMENDMENT or NOTICE OF stration is deficient. O-948) attached Office action of six national stage application from the back) of 1(d). must be submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 5/19/2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material David Nelm Supervisory Patent Technology Cent	6. Interview Summar Paper No./Mail D 08), 7. Examiner's Amen 8. Examiner's Stater 9. Other ns t Examiner	Date

Application/Control Number: 10/820,320 Page 2

Art Unit: 2818

DETAILED ACTION

Examiner's Amendment.

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37

CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the issue fee.

A/ As per authorization from the Applicants ' legal representative on line 1 of

claim 13 delete -- Second embodiment --

B/ Cancels claims 1-12 and 25-28.

2. Claims 13-24 are pending in the application.

Reason for allowance

3. Claims 13-24 are allowed.

The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests the claimed WHOLE CHIP ESD PROTECTION

having the limitations:

-- " a resistor plus NMOS FET first mid stage connected between Vcc and Vss

(ground),

Art Unit: 2818

a second mid-stage containing a second NMOS FET connected between input stage and ground, and

a PMOS FET plus NMOS FET output stage connected between Vcc and Vss (ground) whose input connects from the mid stages and whose output drives an unused I/0 pad. "--

And all other limitations as recited in claim 13.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee et al. (US patent 5,157,573) discloses an ESD protection circuit with segmented buffer transistor

Art Unit: 2818

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thinh T Nguyen whose telephone number is 571-272-

1790. The examiner can normally be reached on Monday-Friday 9:30am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Nelms can be reached at 571-272-1787.

The fax phone number for the organization where this application or proceeding

is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval [PAIR] system.

Status information for published applications may be obtained from either Private

PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toth) free)

Thinh T Nguyen

Art unit 2818

David Nelms

Supervisory Patent Examiner

Technology Center 2800